

Biology

Chapter 5 Vocabulary

Species characteristics

Individual characteristics

Genetics

Gregor Mendel

Genes

Seven Characteristics of Genes

1.

2.

3.

4.

5.

6.

7.

Chromosomes

Mitosis

Six Phases of Mitosis

1.

Centromere

Sister chromatid

2.

Aster

Spindle

3.

4.

Daughter chromosomes

5.

Cytokinesis

6.

Karyotype

Homologous

Diploid

Asexual reproduction

Spore

Clone

Meiosis

Sperm

Ovum

Haploid

Zygote

Two Phases of Meiosis

1. Phase One

a.

b.

c.

d.

2. Second Phase

a.

b.

c.

d.

gametes

fertilization

isogametes

heterogametes

spermatogenesis

oogenesis

asexual reproduction

Mendelian genetics

Self-pollination

Cross-pollination

First filial generation

Second filial generation

Mendel's Concepts

1.

2.

Dominant trait

Recessive trait

3.

Phenotype

Genotype

Allele

Homozygous

Heterozygous

Monohybrid

Punnett Square

Test cross

Incomplete dominance

Locus

Multiple alleles

Dihybrid cross

Concept of independent assortment

Multiple gene generation

Autosomes

Sex chromosomes

Sex-linked traits

Hemophilia

carriers